TABLE 3

MAXIMUM AND MINIMUM VALUES FROM TABLE 2

Capacity, Tons	Length, Ft		Width, Ft		Area, Sq Ft		$\frac{L}{W}$		$\frac{A}{\text{Ton}}$		$\frac{S^2}{A}$	
10	13.	19.	6.5	7.5	101	163	1.8	2.	10.	16.	0.9	1.5
15	19.	22.	8.5	9.8	181	215	2.0	2.	12.	14.	1.1	1.3
20	20.	24.	9.1	10.	210	254	1.9	2.	10.	12,	1.2	1.5
25	25.	27.	9.8	12.	262	304	2.0	2.	10.	12.	1.2	1.5
30	21.	29.	9.3	12.	195	344	1.7	2.	8.9	11.	1.3	2.4
35	21.	24.	12.	12.	267	288	1.7	2.	7.6	8.2	1.9	2.0
40	87	00	00	25	.0	.0	9	00	2	0	2	6
50	26.	35.	10.	15.	287	502	1.9	3.	5.7	10.	1.5	2.7
60	29.	43.	11.	16.	387	720	1.9	2.	6.4	12.	1.3	2.4
75	34.	40.	13.	16.	460	640	2.	2.	6.1	8.5	1.8	2.5
90	00	00	50	00	0	0	50	53	4	3	4	6
												2.3

TABLE 4

OPEN-HEARTH FURNACE HEAETH AND HEATING CHAMBER PROPORTIONS,
ACCORDING TO GROUME-GRJIMAILO

Capacity, Tons	Scrap Process				Ore Process				Heating Chamber, Cu Ft
	Length, Ft	Width, Ft	Area, Sq	Height Above Bath, Ft	Length, Ft	Width, Ft	Area, Sq	Height Above Bath, Ft.	
15	21.32	8.52	181	5.25	22.57	9.57	215	4.43	954
20	23.45	9.18	215	5.91	24.61	10.3	254	5.00	1271
25	26.25	9.84	258	6.15	27.85	11.0	304	5.21	1581
30	27.89	10.5	290	6.56	29.20	11.8	344	5.53	1907
40	31.00	11.4	355	7.56	32.41	12.8	417	6.09	2543
50	34.45	12.4	430	7.15	35.96	13.9	502	6.32	3178
60	36.75	13.1	484	7.87	38.39	14.7	566	6.73	3814